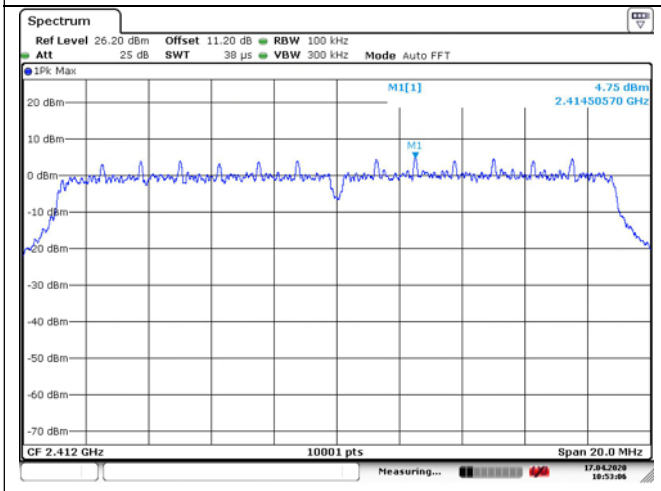
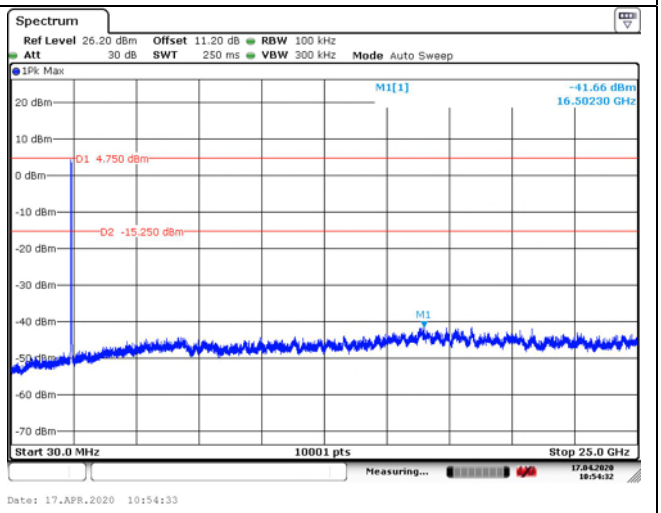
802.11n (HT20)

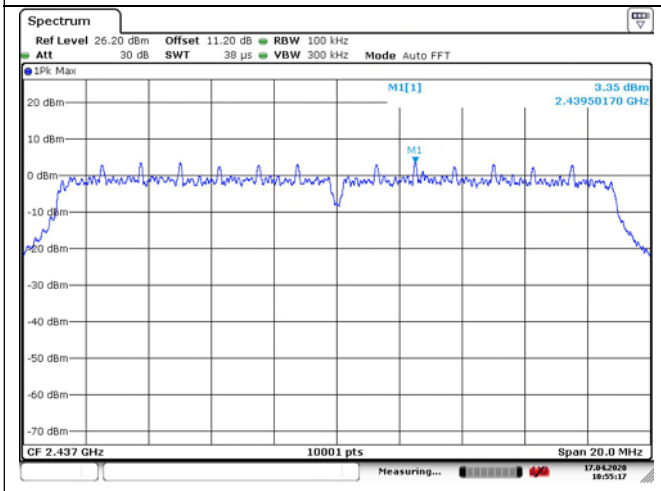
CH1

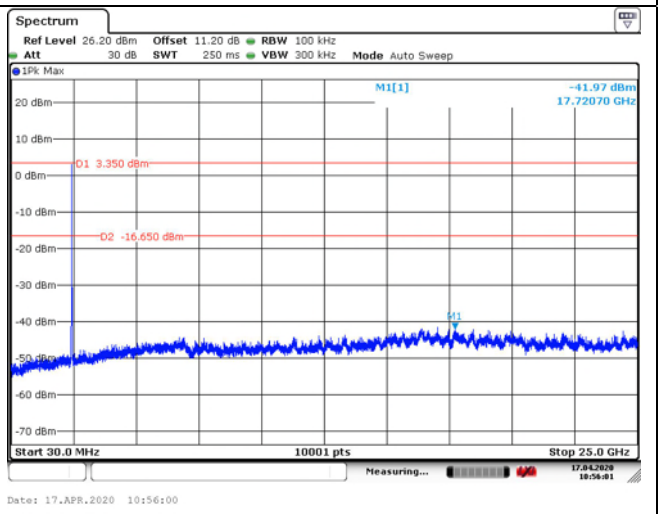




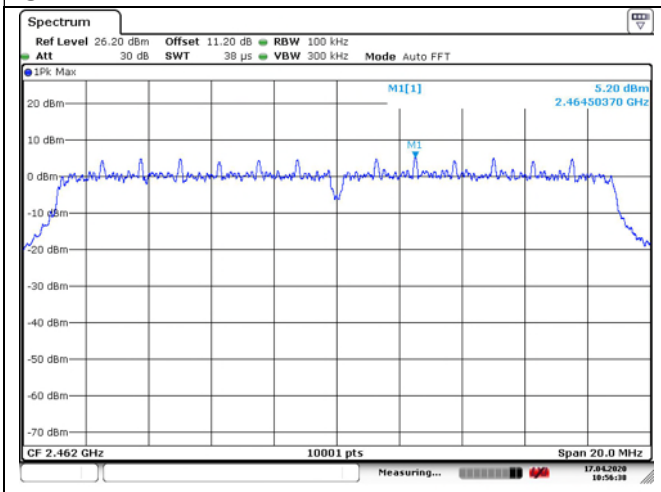
32

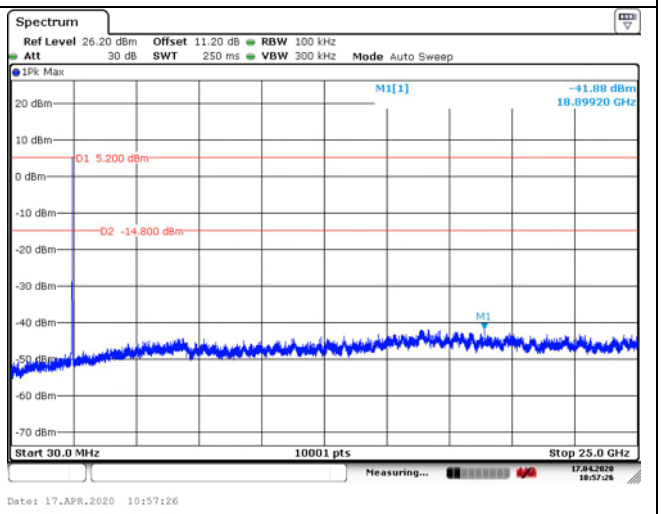
CH6





CH11

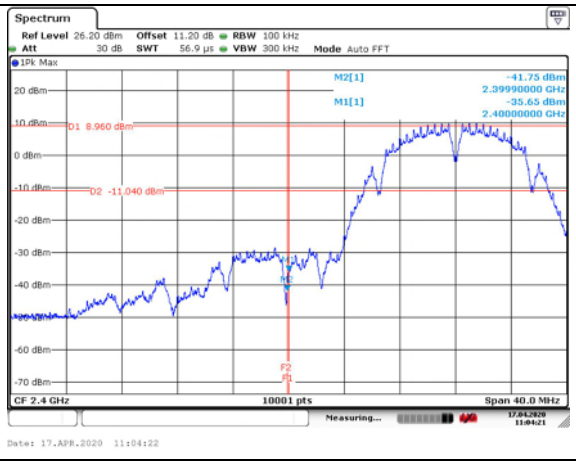
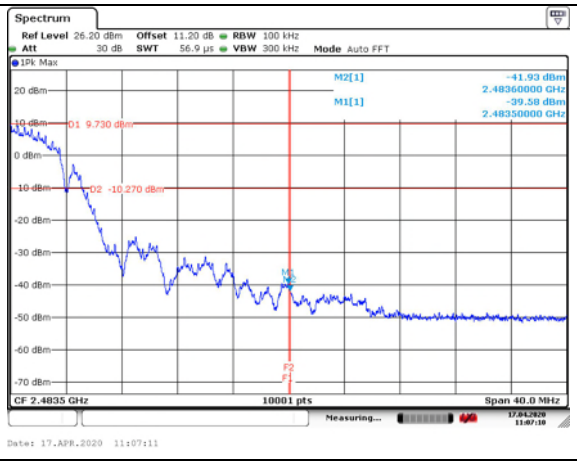




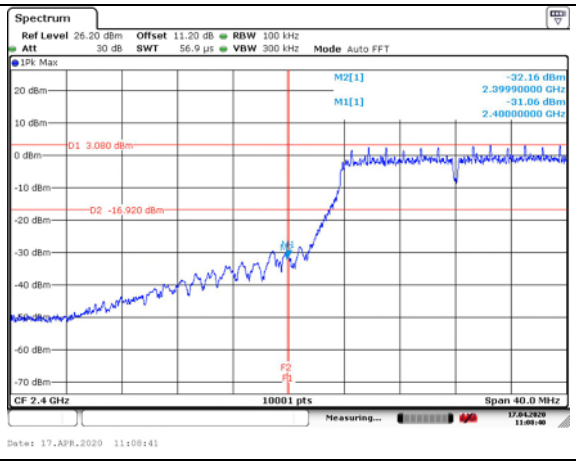
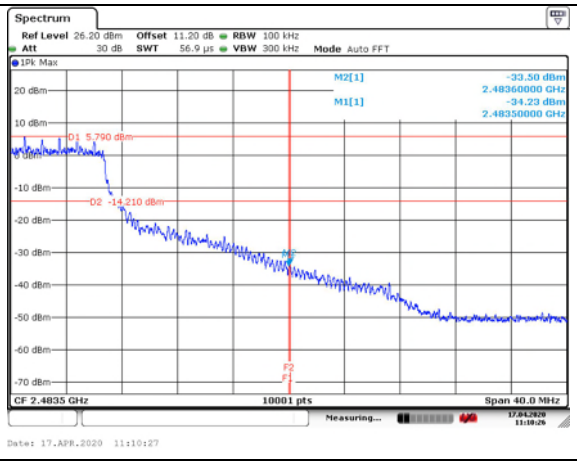
Band edge measurement (RF Conducted measurement)

Offset 11.2dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

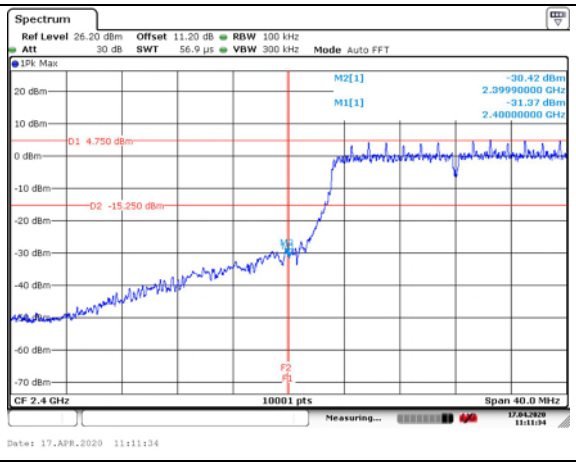
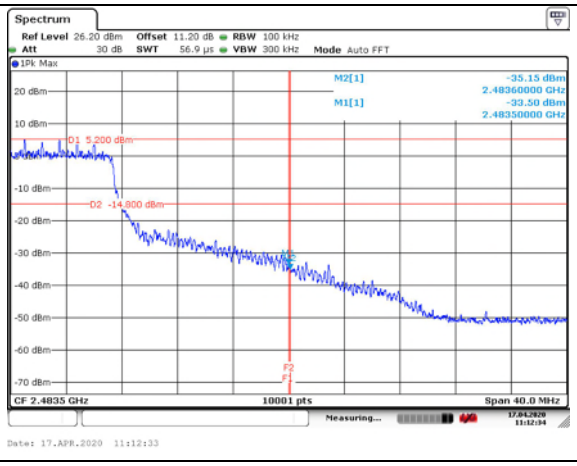
802.11b

CH1	CH11
	

802.11g

CH1	CH11
	

802.11n (HT20)

CH1	CH11
	

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

The worst case attitude: The mobile lay down.
The measurement results are obtained as described below:
Measure Level = Reading Level + cable loss + antenna factor

Sample calculation: (89.26 dBuV/m) = (55.26dBμV) + (8.90 dB) + (25.10 dB), the corresponding frequency is 2412MHz.

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	89.26	55.26	N/A	N/A	8.90	25.10
2	2390	34.32	0.32	-39.68	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	83.24	49.24	N/A	N/A	8.90	25.10
2	2390	29.70	-4.30	-44.30	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	72.66	38.66	N/A	N/A	8.90	25.10
2	2390	23.25	-10.75	-30.75	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11b
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	72.48	38.48	N/A	N/A	8.90	25.10
2	2390	22.84	-11.16	-31.16	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	88.75	54.75	N/A	N/A	8.90	25.10
2	2483.5	35.84	1.84	-38.16	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	82.25	48.25	N/A	N/A	8.90	25.10
2	2483.5	32.56	-1.44	-41.44	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	76.66	42.66	N/A	N/A	8.90	25.10
2	2483.5	22.36	-11.64	-31.64	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11b
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	73.67	39.67	N/A	N/A	8.90	25.10
2	2483.5	23.20	-10.80	-30.80	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity: Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	89.02	55.02	N/A	N/A	8.90	25.10
2	2390	36.92	2.92	-37.08	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	82.86	48.86	N/A	N/A	8.90	25.10
2	2390	29.79	-4.21	-44.21	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity: Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	73.02	39.02	N/A	N/A	8.90	25.10
2	2390	24.36	-9.64	-29.64	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11g
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	71.71	37.71	N/A	N/A	8.90	25.10
2	2390	23.40	-10.60	-30.60	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity: Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	88.22	54.22	N/A	N/A	8.90	25.10
2	2483.5	35.62	1.62	-38.38	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	83.42	49.42	N/A	N/A	8.90	25.10
2	2483.5	32.95	-1.05	-41.05	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity: Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	75.37	41.37	N/A	N/A	8.90	25.10
2	2483.5	23.89	-10.11	-30.11	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11g
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	73.53	39.53	N/A	N/A	8.90	25.10
2	2483.5	21.85	-12.15	-32.15	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	87.83	53.83	N/A	N/A	8.90	25.10
2	2390	33.82	-0.18	-40.18	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	81.32	47.32	N/A	N/A	8.90	25.10
2	2390	33.03	-0.97	-40.97	74.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	72.28	38.28	N/A	N/A	8.90	25.10
2	2390	23.12	-10.88	-30.88	54.00	8.90	25.10

Carrier frequency (MHz): 2412
Channel No.:1
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2412	72.37	38.37	N/A	N/A	8.90	25.10
2	2390	21.20	-12.80	-32.80	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	88.76	54.76	N/A	N/A	8.90	25.10
2	2483.5	34.28	0.28	-39.72	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	82.42	48.42	N/A	N/A	8.90	25.10
2	2483.5	32.22	-1.78	-41.78	74.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20)
Polarity: Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	75.25	41.25	N/A	N/A	8.90	25.10
2	2483.5	22.19	-11.81	-31.81	54.00	8.90	25.10

Carrier frequency (MHz): 2462
Channel No.:11
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	2462	72.34	38.34	N/A	N/A	8.90	25.10
2	2483.5	21.14	-12.86	-32.86	54.00	8.90	25.10

Sample Calculations

Determining Spurious Emissions Levels

A “reference path loss” is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.
The measurement results are obtained as described below:
Result= P_{mea} + A_{Rpl}
Sample calculation: (34.67dBμV/m) = (-20.9dB) + (55.57dBuV/m), the corresponding frequency is 30.727500MHz.
The worst case attitude: The mobile lay down.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
30.727500	34.67	-20.9	55.57	Vertical	40.00
60.312500	19.68	-18.5	38.18	Vertical	40.00
77.627000	21.18	-23.4	44.58	Vertical	40.00
167.255000	17.04	-20.8	37.84	Vertical	43.50
187.043000	23.20	-19.4	42.60	Vertical	43.50
917.113500	23.76	-1.2	24.96	Vertical	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
31.455000	32.96	-20.7	53.66	Vertical	40.00
43.095000	19.69	-17.8	37.49	Vertical	40.00
67.005500	17.63	-20.7	38.33	Vertical	40.00
168.322000	21.42	-20.7	42.12	Vertical	43.50
187.382500	28.29	-19.4	47.69	Vertical	43.50
924.825000	23.60	-1.1	24.70	Vertical	46.00

For 802.11n(HT20) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
30.824500	31.76	-20.9	52.66	Vertical	40.00
42.852500	18.53	-17.8	36.33	Vertical	40.00
64.144000	18.52	-19.8	38.32	Vertical	40.00
172.541500	21.73	-20.5	42.23	Vertical	43.50
184.715000	27.87	-19.7	47.57	Vertical	43.50
953.391500	23.85	-0.8	24.65	Vertical	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A_{RPl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
31.649000	32.68	-20.7	53.38	Vertical	40.00
42.852500	18.56	-17.8	36.36	Vertical	40.00
67.878500	17.86	-21.0	38.86	Vertical	40.00
167.206500	21.37	-20.8	42.17	Vertical	43.50
188.546500	27.69	-19.3	46.99	Vertical	43.50
917.744000	23.28	-1.2	24.48	Vertical	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A_{RPl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
30.630500	31.23	-21.0	52.23	Vertical	40.00
42.658500	18.45	-17.8	36.25	Vertical	40.00
65.744500	18.41	-20.3	38.71	Vertical	40.00
172.590000	21.25	-20.5	41.75	Vertical	43.50
189.322500	27.34	-19.2	46.54	Vertical	43.50
940.781500	23.58	-1.0	24.58	Vertical	46.00

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A_{RPl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
31.600500	30.80	-20.7	51.50	Vertical	40.00
43.434500	18.33	-17.7	36.03	Vertical	40.00
65.162500	18.91	-20.1	39.01	Vertical	40.00
166.673000	21.99	-20.8	42.79	Vertical	43.50
186.946000	28.18	-19.4	47.58	Vertical	43.50
925.455500	24.20	-1.1	25.30	Vertical	46.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	A_{RPl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
31.212500	32.24	-20.8	53.04	Vertical	40.00
42.998000	17.71	-17.8	35.51	Vertical	40.00
66.957000	17.93	-20.7	38.63	Vertical	40.00
167.643000	20.71	-20.8	41.51	Vertical	43.50
185.491000	27.90	-19.6	47.50	Vertical	43.50
955.816500	24.23	-0.8	25.03	Vertical	46.00

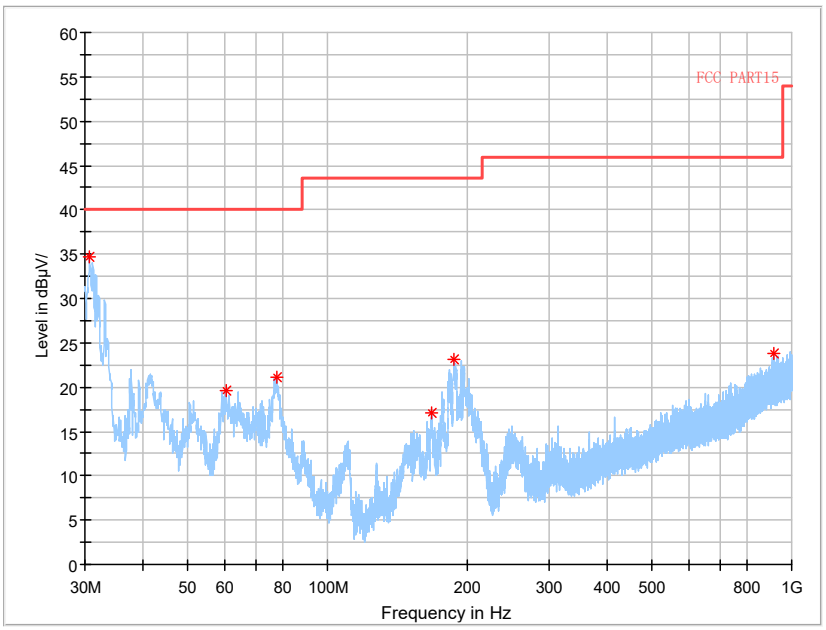
For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
32.231000	30.74	-20.5	51.24	Vertical	40.00
43.046500	18.29	-17.8	36.09	Vertical	40.00
66.569000	17.93	-20.6	38.53	Vertical	40.00
171.668500	18.82	-20.5	39.32	Vertical	43.50
189.128500	27.27	-19.2	46.47	Vertical	43.50
889.614000	24.59	-1.7	26.29	Vertical	46.00

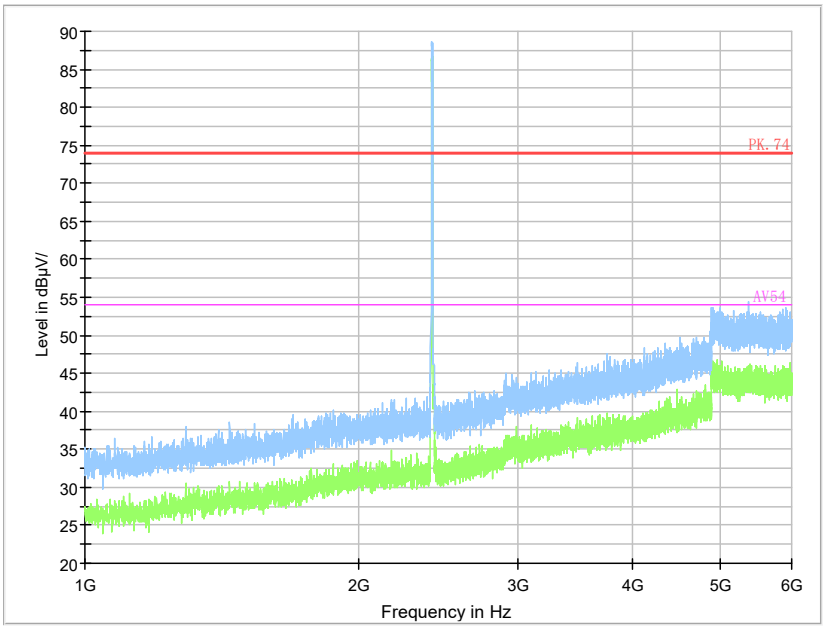
For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	A_{Rpl} (dB)	P_{mea} (dBuV/m)	Polarity	Limit (dBuV/m)
30.2425	32.61	-21.1	53.71	Vertical	40
43.0465	22.9	-17.8	40.70	Vertical	40
64.823	20.32	-20	40.32	Vertical	40
86.939	14.11	-21.6	35.71	Vertical	40
190.0015	22.18	-19.2	41.38	Vertical	43.5
957.5625	24.29	-0.8	25.09	Vertical	46

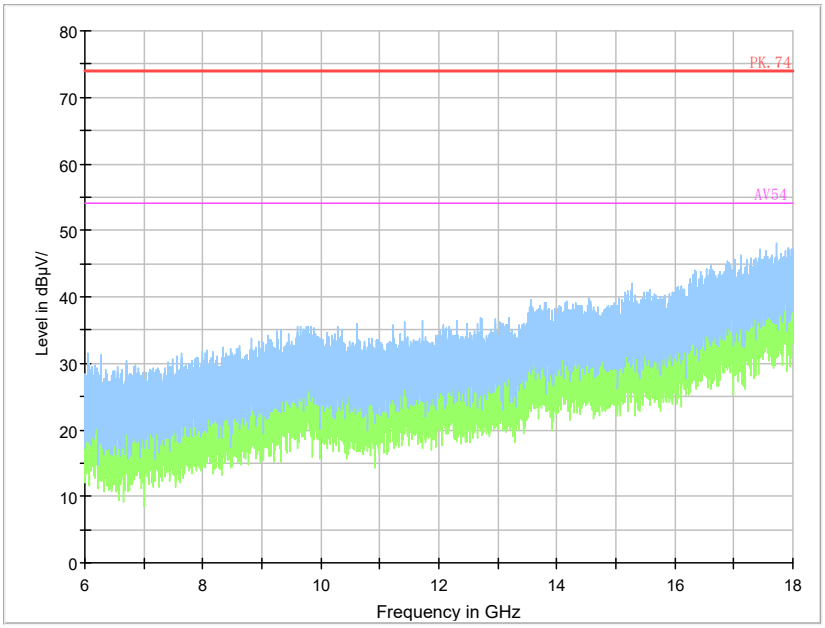
Carrier frequency (MHz): 2412
Channel No.:1



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b

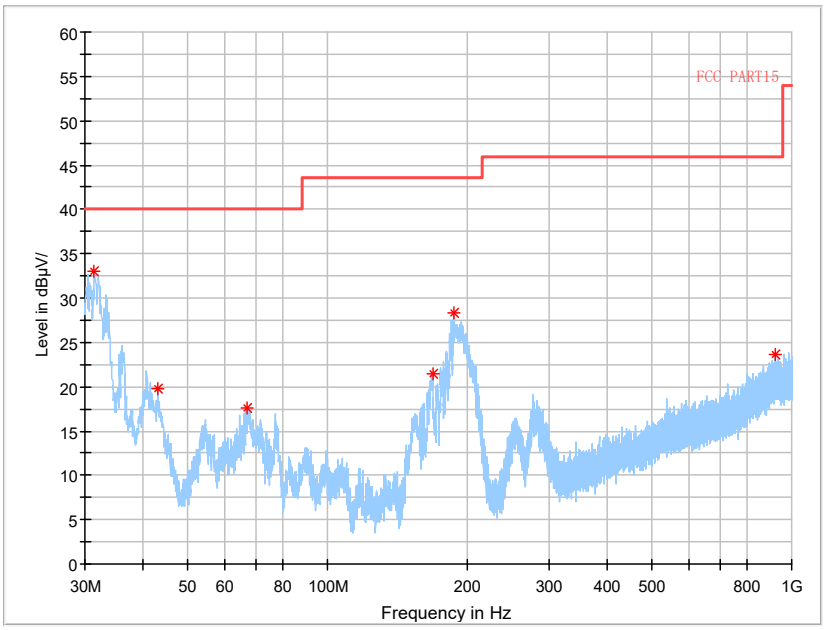


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

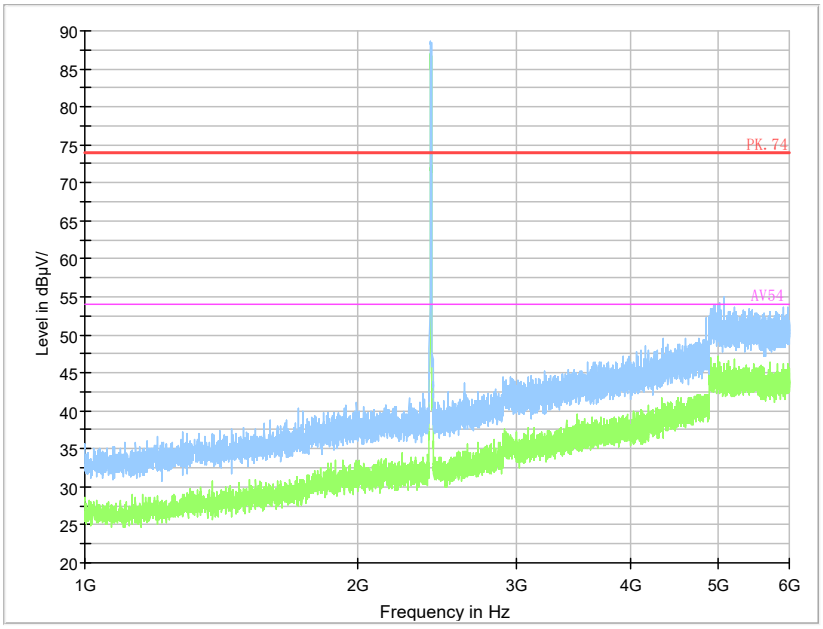


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

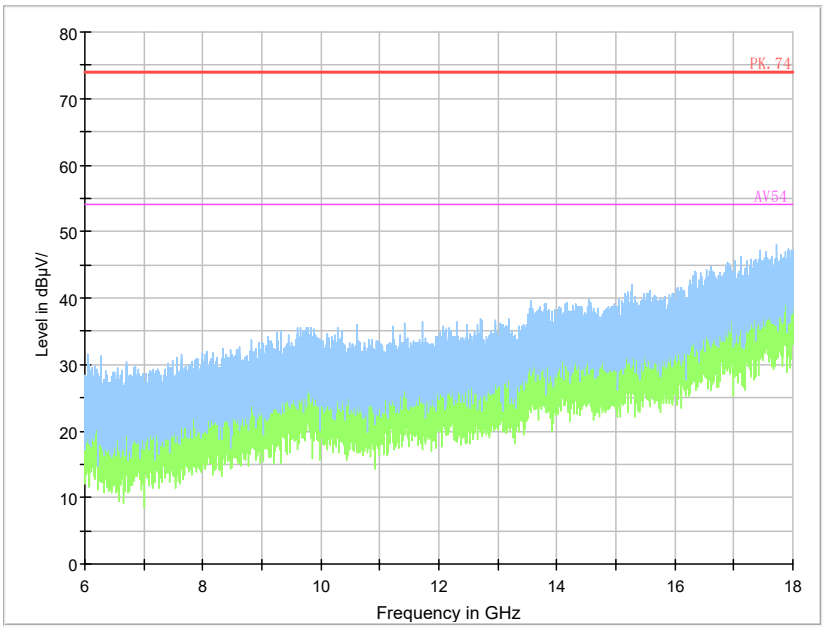
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

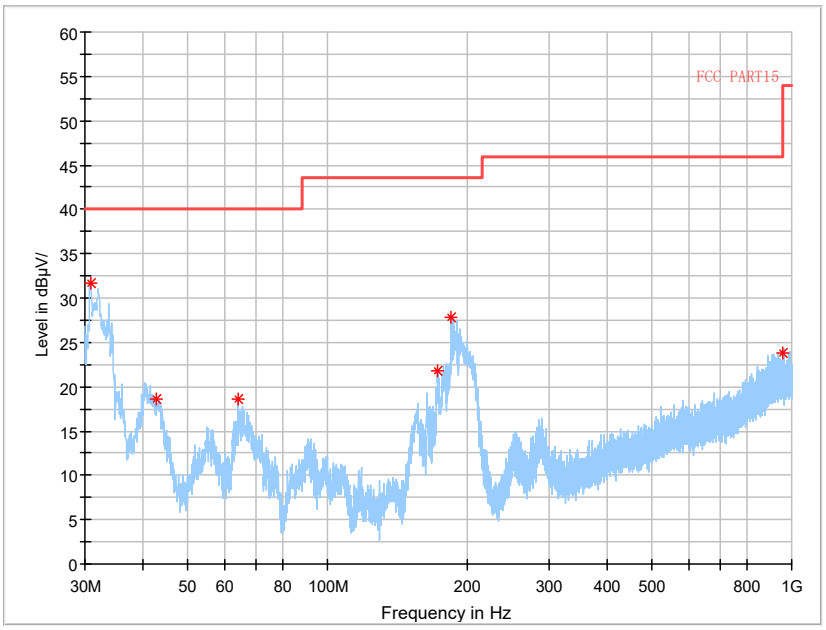


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

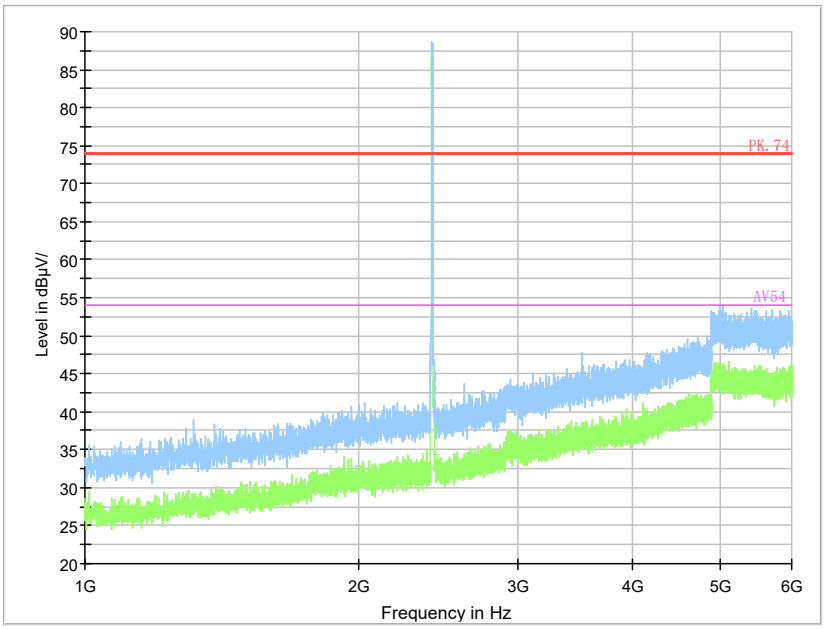


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

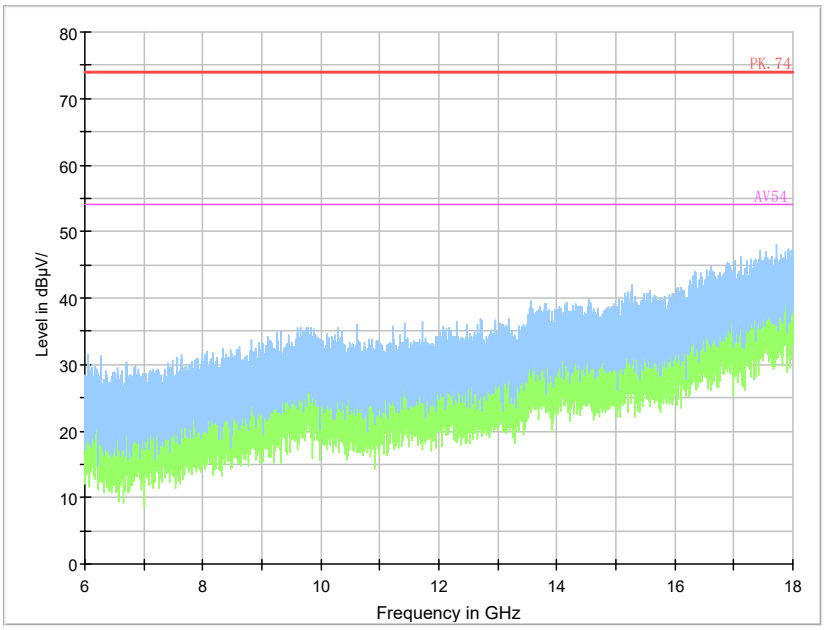
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



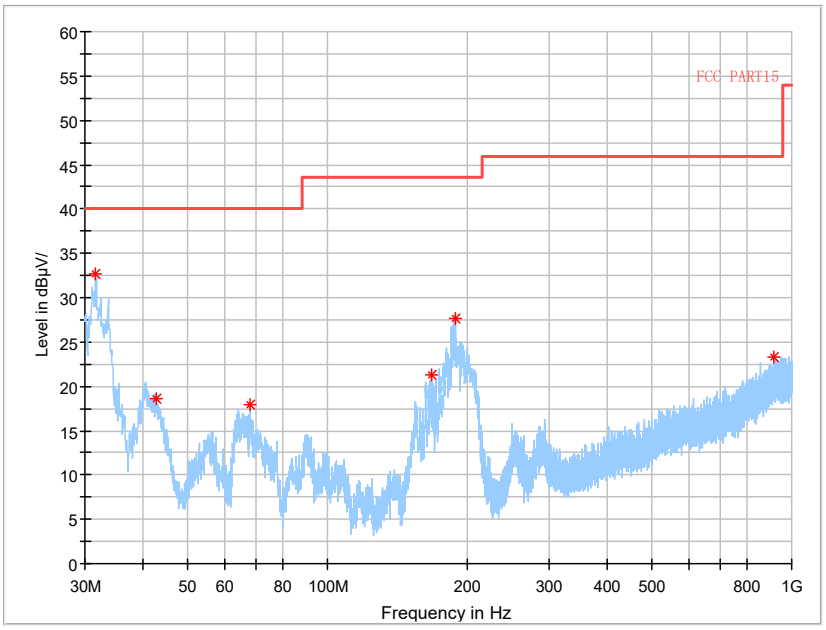
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



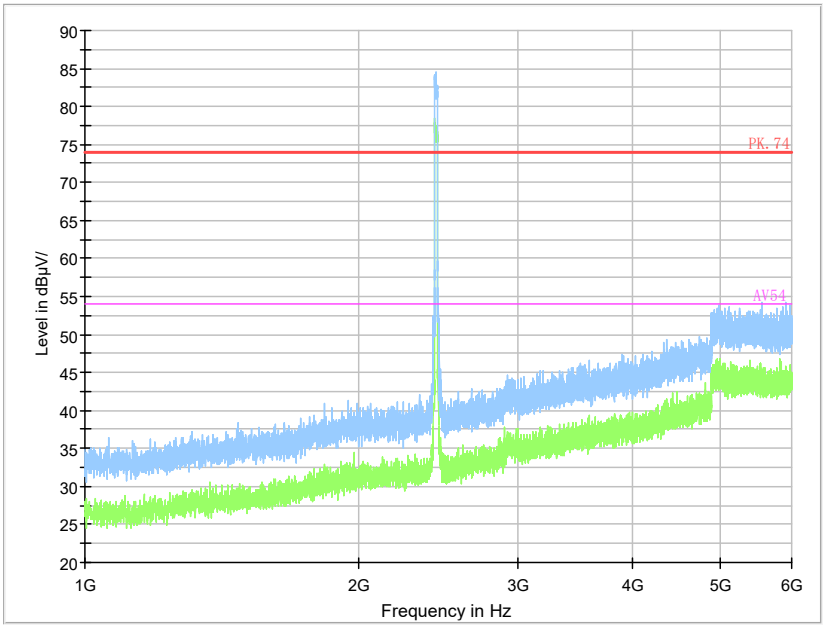
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

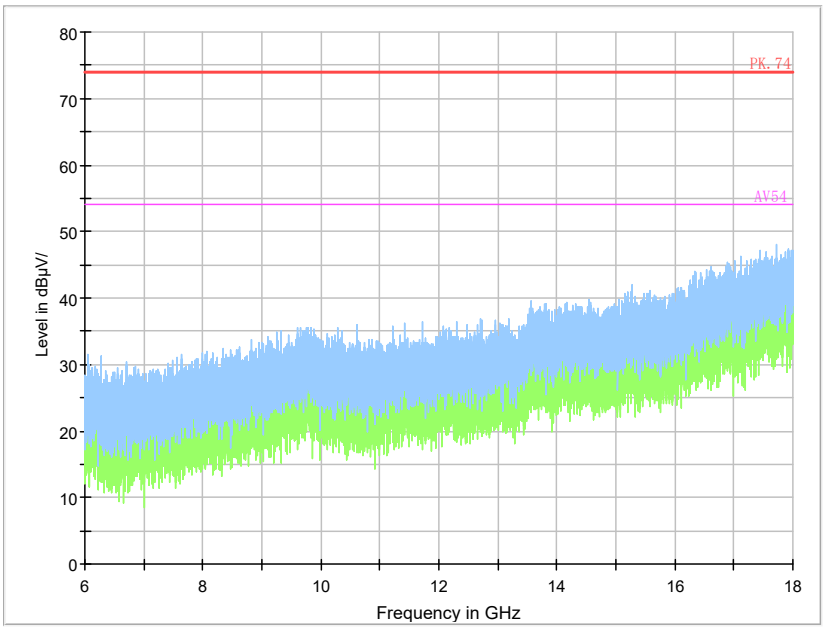
Carrier frequency (MHz): 2437
Channel No.:6



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b

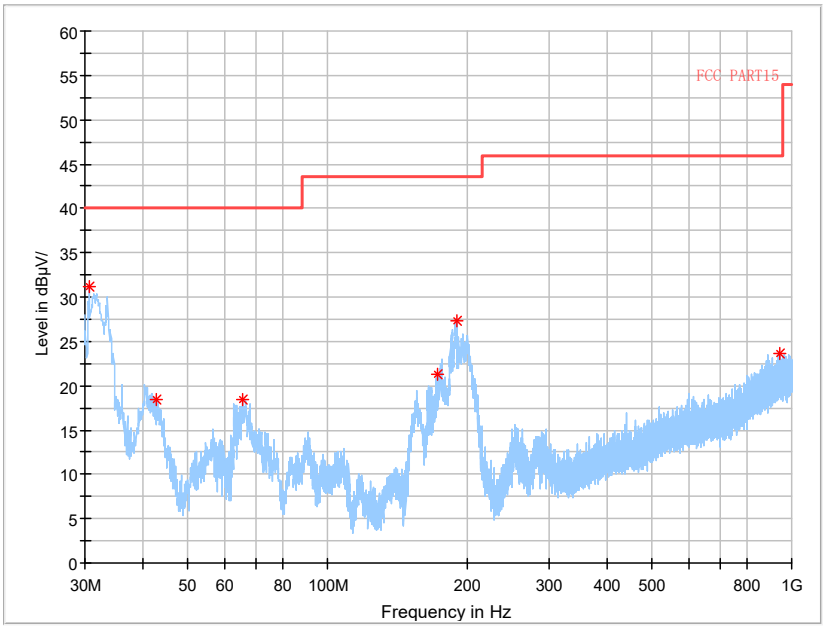


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

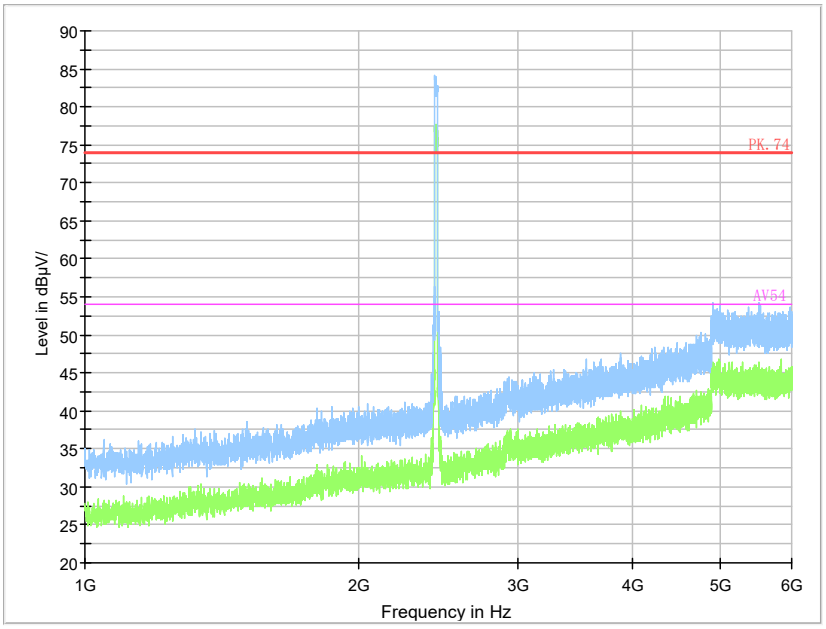


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

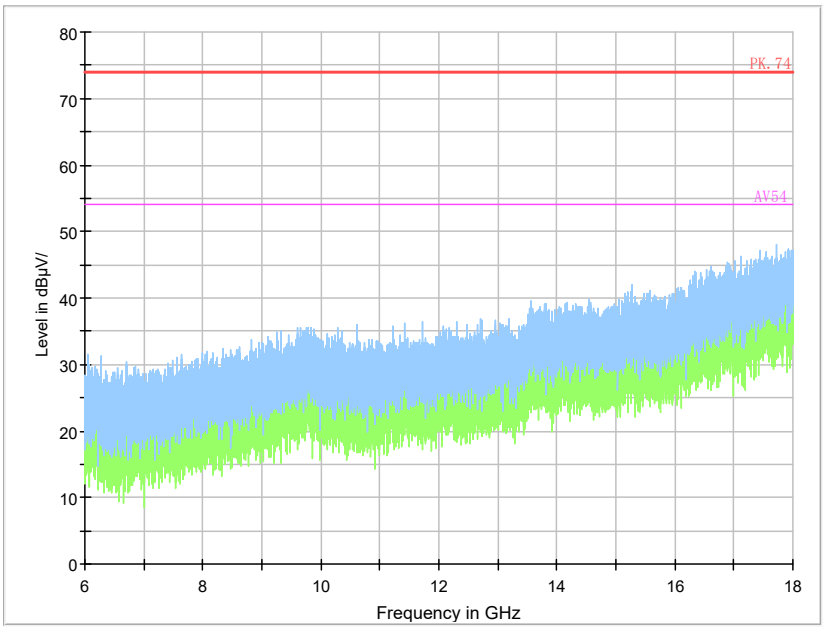
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g

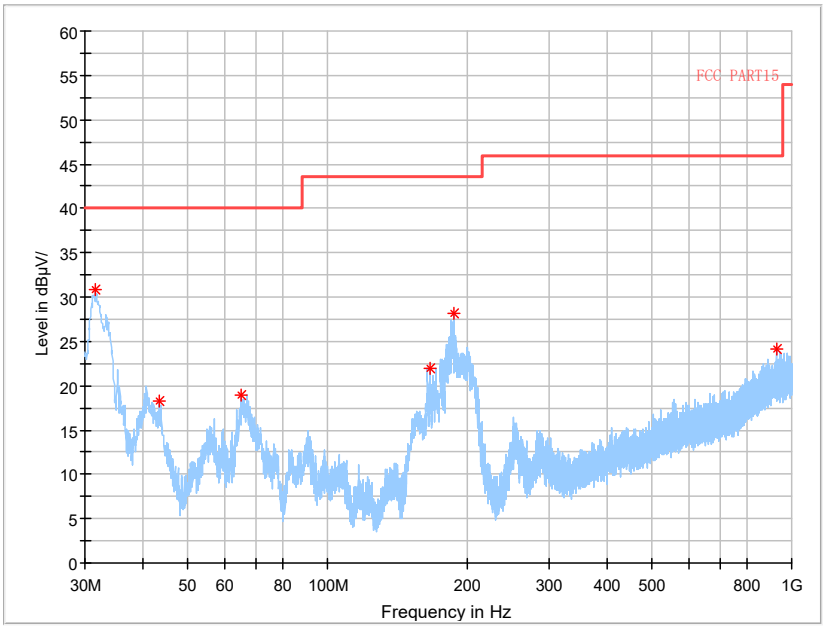


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

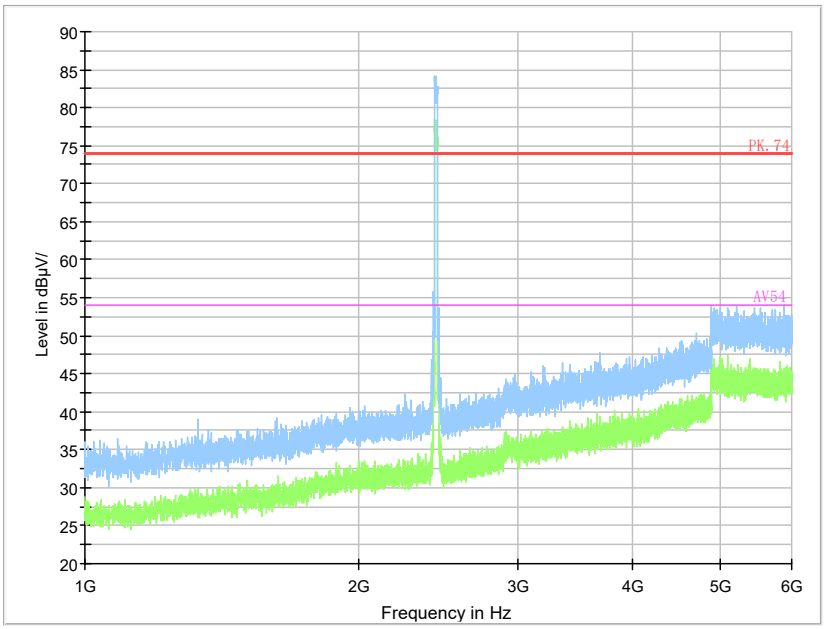


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

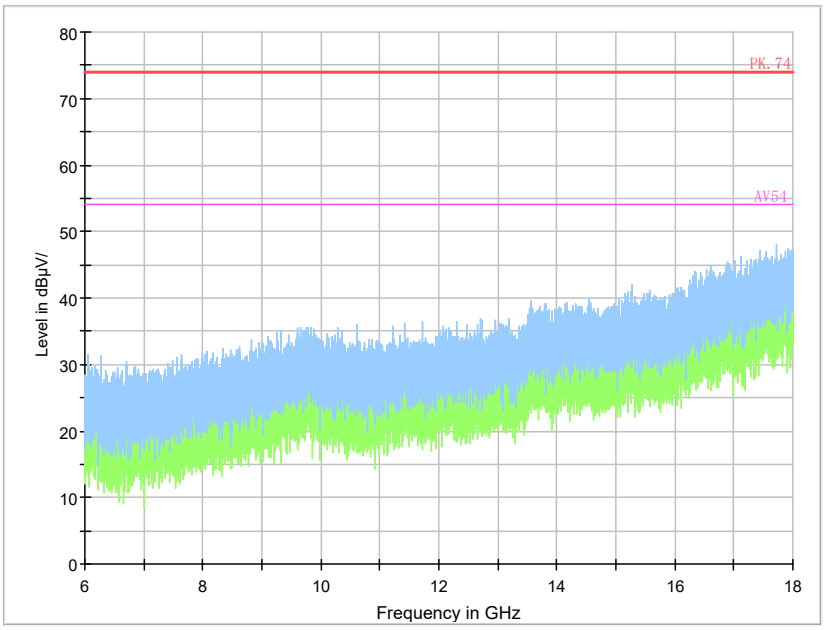
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



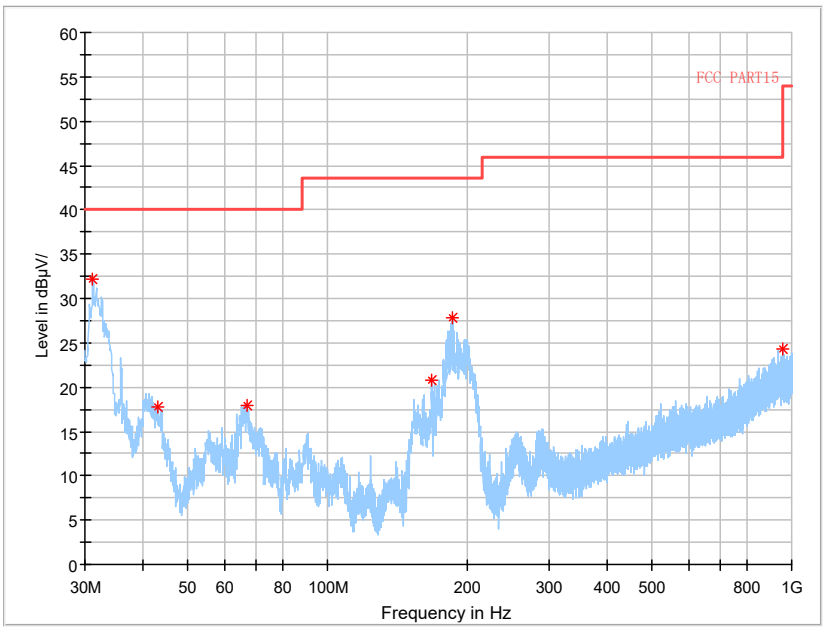
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



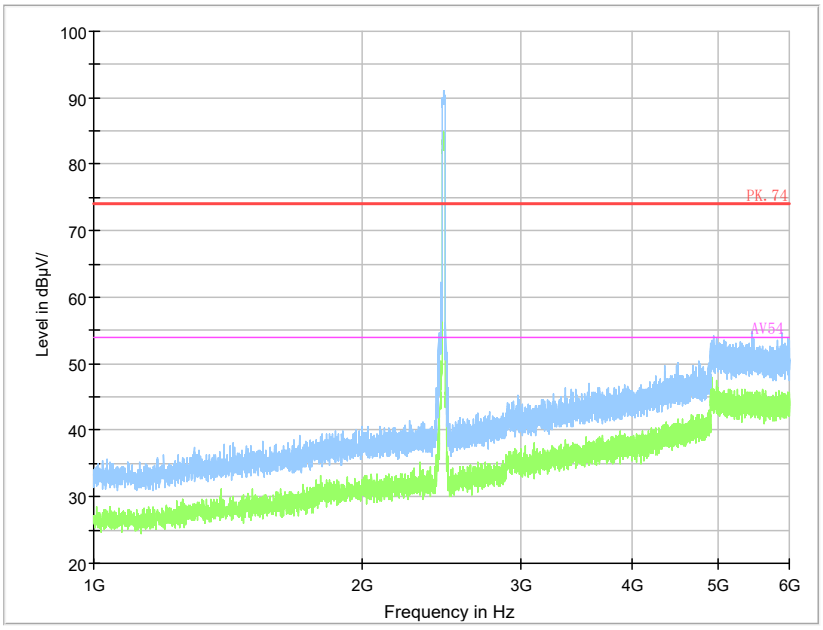
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

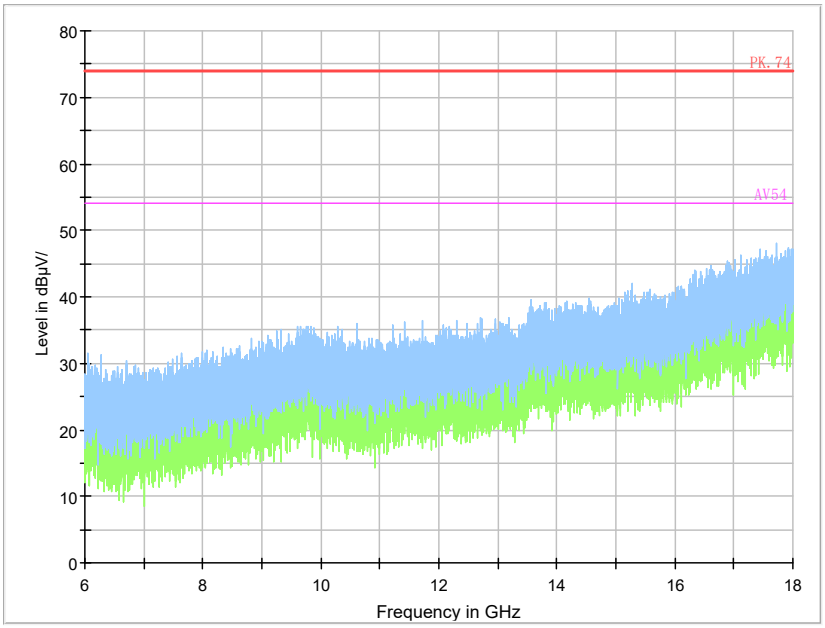
Carrier frequency (MHz): 2462
Channel No.:11



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11b

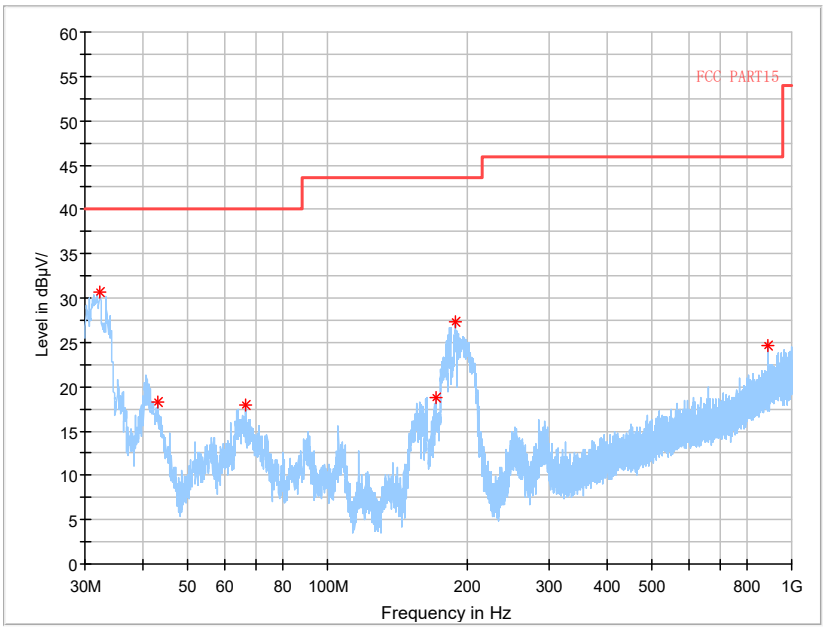


Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

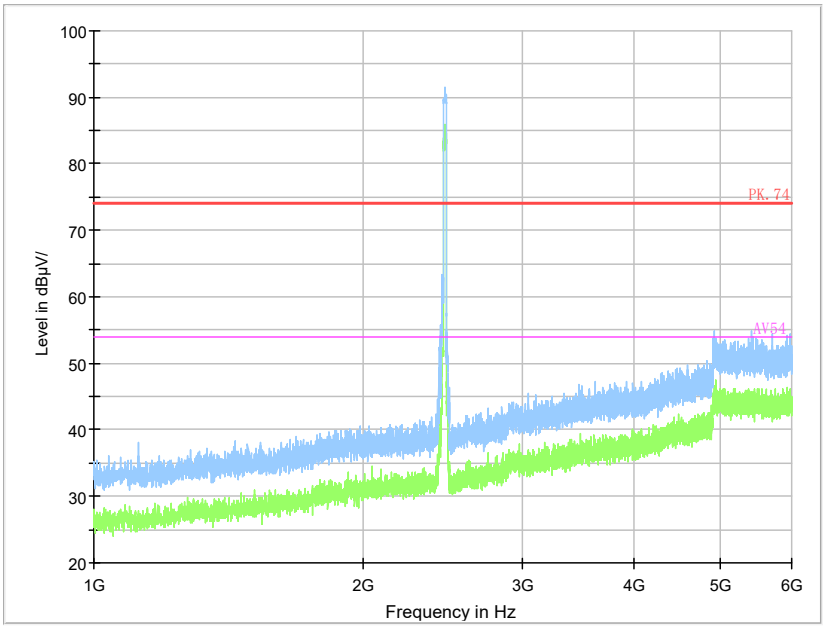


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

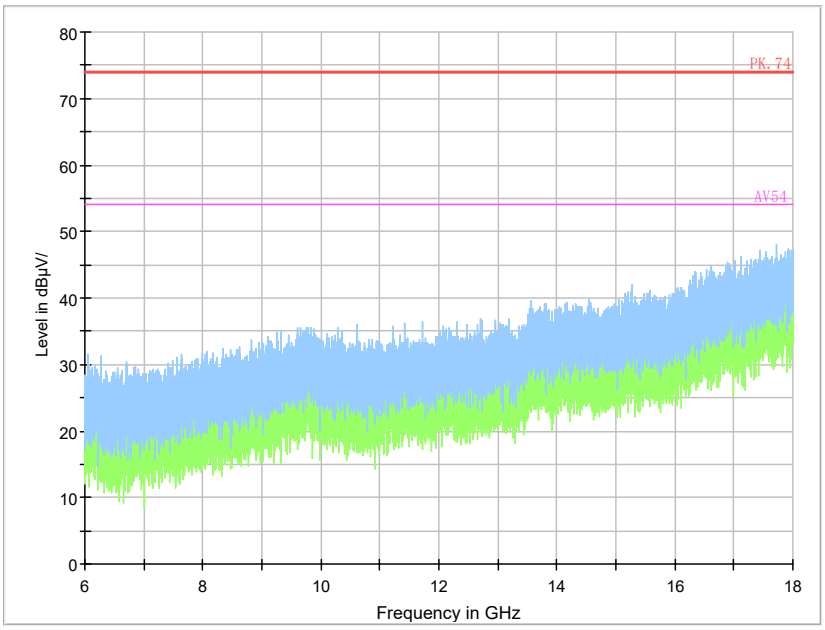
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



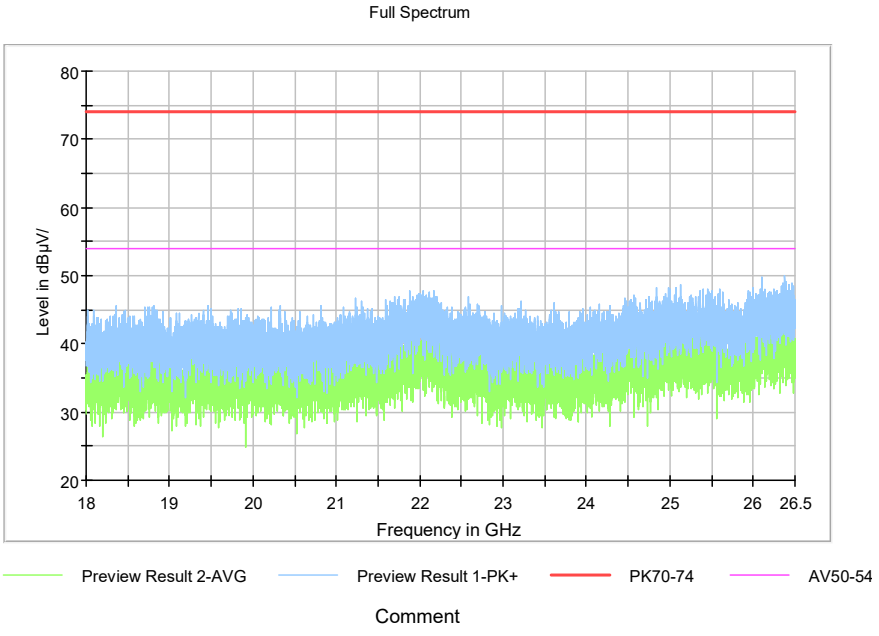
Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11g



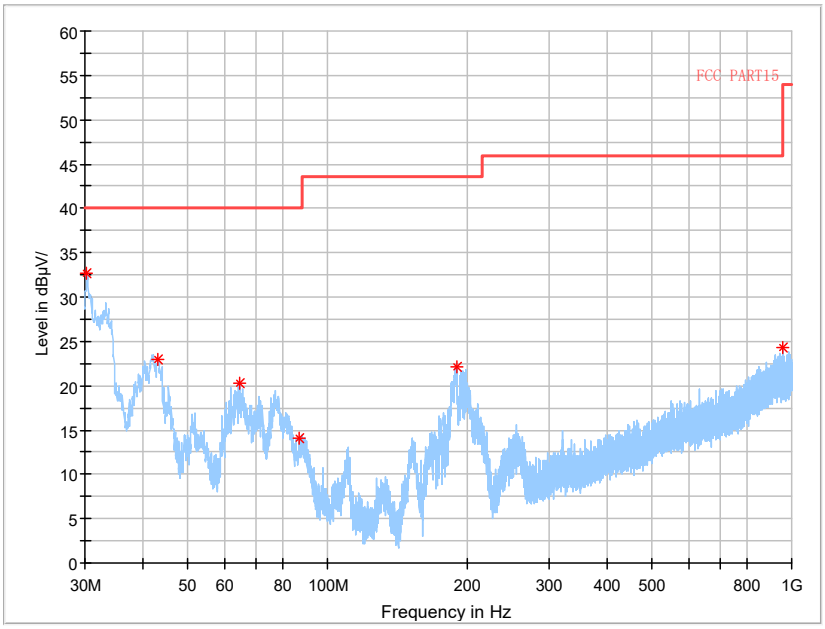
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



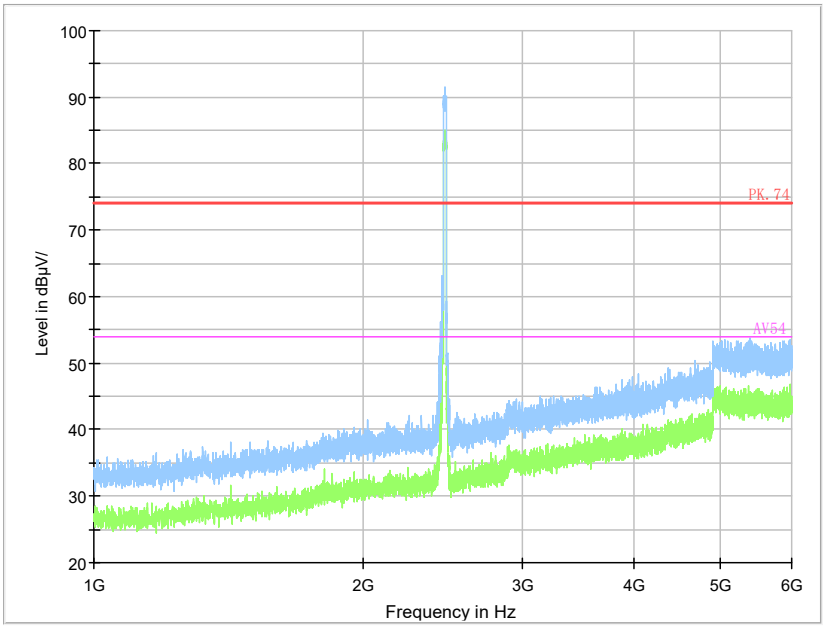
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



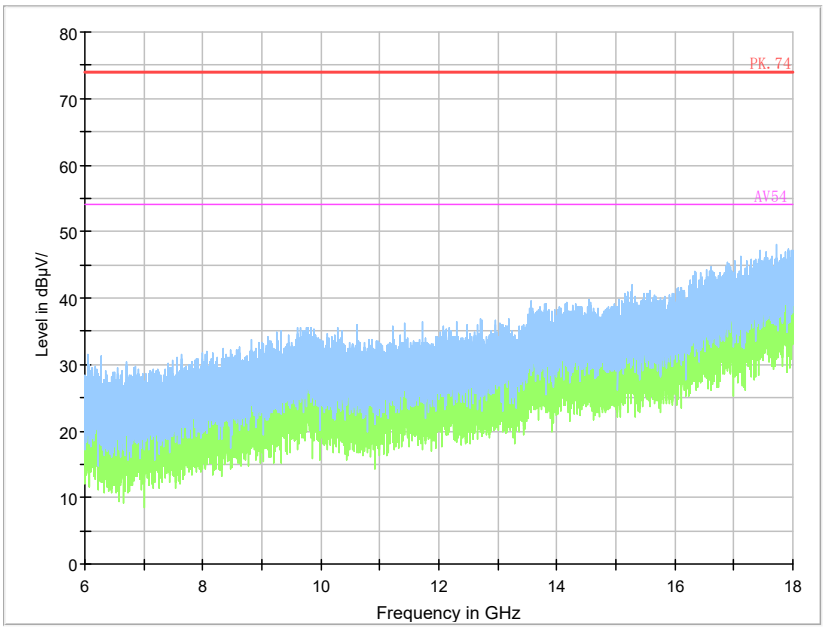
Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11g



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11n(HT20)



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Frequency Range: 18GHz -25GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

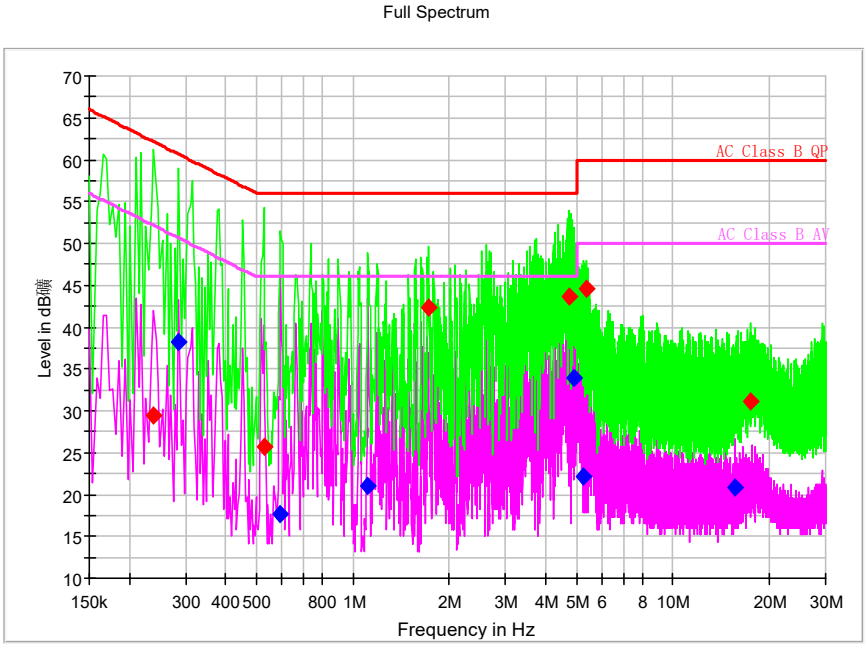
AC Power line Conducted Emission

A “reference path loss” Corr.(dB) is established and the L_{cable}+ATT+VDF is the attenuation of ” reference path loss”, and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.

The measurement results are obtained as described below:

$P_{result}=P_{mea}$+ Corr.(dB)

Sample calculation: (54.33 dBμV) = (24.63 dBμV) + (29.7 dB), the corresponding frequency is 0.158000MHz.



L+N Line

MEASUREMENT RESULT:

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P_{mea} QuasiPeak (dBμV)	P_{mea} Average (dBμV)
0.238000	29.42	---	62.17	32.75	N	29.7	-0.28	---
0.286000	---	38.29	50.64	12.35	N	29.7	---	8.59
0.526000	25.75	---	56.00	30.25	N	29.7	-3.95	---
0.594000	---	17.67	46.00	28.33	L1	29.7	---	-12.03
1.114000	---	21.00	46.00	25.00	L1	29.7	---	-8.7
1.722000	42.30	---	56.00	13.70	L1	29.7	12.6	---
4.738000	43.67	---	56.00	12.33	L1	29.8	13.87	---
4.898000	---	33.99	46.00	12.01	L1	29.8	---	4.19
5.274000	---	22.22	50.00	27.78	L1	29.8	---	-7.58
5.346000	44.60	---	60.00	15.40	L1	29.8	14.8	---
15.622000	---	20.80	50.00	29.20	L1	29.9	---	-9.1
17.474000	31.14	---	60.00	28.86	L1	29.9	1.24	---

---End of Test Report---